



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar II

Course

Field of study

Mathematics in technology

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

30

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

dr hab. inż. Paweł Kolwicz , profesor uczelni ;

pawel.kolwicz@put.poznan.pl

Responsible for the course/lecturer:

Prerequisites

The student has knowledge in accordance with the program of studies in the field of mathematics in technology. The student has the ability to acquire knowledge from the indicated sources and to prepare a multimedia presentation. The student is aware of the need to expand his knowledge. He is ready to work in a team.

Course objective

Verification of the advancement of writing a thesis.

Preparing students in the substantive scope of the diploma examination and developing discussion skills.

Course-related learning outcomes

Knowledge

1. Has in-depth knowledge related to the subject of diploma engineering thesis

2. Is aware of the latest development trends in the area of science related to the topic of diploma engineering thesis



3. Has elementary knowledge of intellectual property protection
4. Understands the impact of technical and non-technical factors on engineering activities

Skills

1. Can use detailed knowledge related to the topic of the thesis
2. Can plan and carry out experiments, computer simulations, interpret the obtained results and make conclusions
3. Can obtain information from various sources
4. When formulating and solving research problems, can see their systemic and non-technical aspects
5. Can use various methods to formulate and solve research problems
6. Can prepare a well-documented technical report in Polish and English and give a presentation
7. can estimate the time needed to carry out tasks related to engineering thesis; is able to develop and implement a work schedule that ensures meeting the deadline

Social competences

1. Is aware of the level of his/her knowledge and the need to complement it with the development of science and technology
2. Is aware of the importance of professional behavior, compliance with the rules of professional ethics and respect for the diversity of views and cultures when conducting research in an organization for the preparation of an engineering thesis
3. Is aware of the social role of a technical university graduate

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Formulating assessment - based on participation in the discussion during the presentation of topics by other members of the seminar group.

Final grade - on the basis of formulating assessments and a presentation or report on the issues of your diploma thesis and the degree of progress of work confirmed by the tutor

Programme content

Presentation by students and a discussion in the seminar group of issues related to the diploma examination and thesis. Presentation of the final version of the engineering diploma thesis.

Teaching methods

Educational methods used:



- analysis / discussion of various methods (including unconventional methods) to solve the problem,
- multimedia show,
- case study,
- teamwork

Bibliography

Basic

Bibliography in the field of diploma engineering thesis recommended by the supervisor.

Additional

Bibliography in the field of diploma engineering thesis searched by the student

Breakdown of average student's workload

	Hours	ECTS
Total workload	375	15,0
Classes requiring direct contact with the teacher	35	2,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	340	13,0

¹ delete or add other activities as appropriate